

June 20, 2016

Prospective Offerors:

**REQUEST FOR EXPRESSION OF INTEREST – LEAK TESTING THE SLUDGE
TRANSPORT AND STORAGE CONTAINER’S (STSCs) SHIPPING CASK**

CH2M HILL Plateau Remediation Company (CHPRC), Richland, Washington, expects to issue a Request for Proposal (RFP) for the subject work on or about the week of August 1, 2016, with an anticipated contract type of firm fixed unit rate. Proposals are to be submitted on or about the week of August 29, 2016 with contract award anticipated the week of September 26, 2016. **NOTE: These dates are subject to change.**

**THIS IS ONLY A REQUEST FOR EXPRESSION OF INTEREST – DO NOT SEND ANY
PROPOSAL INFORMATION IN RESPONSE TO THIS REQUEST!!**

Introduction

CHPRC is requesting an expression of interest from prospective contractors who are interested in entering into a contract to develop a procedure for the Cask Leak Test and provide the leak testing as required for CHPRC’s Sludge Treatment Project on the Hanford Site in Richland, WA.

This Statement of Work (SOW) – to be provided upon issuance of the solicitation - is for the performance of Nondestructive Examination (NDE) Services in support of CH2M Hill Plateau Remediation Company (CHPRC) work scope. CHPRC is a prime contractor to the Department of Energy (DOE) and all work on this SOW will be performed in support of the CHPRC contract with DOE. The purpose of this SOW is to define and document the requirements for an offsite commercial contractor to provide NDE services to support CHPRC’s mission.

Work is at the 400 Area (MASF test facility) and 100 K Area (105-KW basin and Modified KW Annex facility) of the Hanford Site located approximately 10 and 35 road miles north of Richland, Washington.

The statement of work requires the Contractor to provide non-destructive examination (NDE) services to the CHPRC Sludge Treatment Project (STP) on an as-needed basis. The STP - as part of CHPRC - is designing systems that will be used to disposition sludge in the 105-KW Basin.

The Contractor shall provide certified NDE technicians and specialists to conduct examinations, leak testing, and related services in accordance with an established NDE program compliant with the American Society of Nondestructive Testing (ASNT) SNT-TC-1A, American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section V, and ASME NQA-1. The Contractor shall furnish the labor, supervision, equipment, tools, materials, and services required to complete assigned NDE tasks identified in the SOW. If the Contractor is required to subcontract any NDE methods that it does not self-perform, then the subcontractor(s) must be approved by CHPRC.

The work to be performed is nuclear Safety Significant (SS) Quality Level 2 (QL2) work which requires that the Contractor perform the work in accordance with a documented Quality Assurance Program and

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implementing procedures that meet the requirements of ASME NQA-1-2008 (listed below), to be specified in the SOW.

The Contractor will work as part of a team under the general supervision of CHPRC. Unless otherwise approved, the Contractor shall work in accordance with CHPRC contract requirements, operating policies, and procedures and shall be responsible for execution of the work in accordance with Contract and the requirements specified in the CHPRC approved leak test procedures.

Contractor's employees shall be required to participate in training and medical examinations required by the Contract. Work at the 105-KW basin may require entry of Contractor personnel into radiological Contaminated Areas (RCA). Special training identified in this SOW and personal protective equipment (PPE), provided by CHPRC and identified on the applicable Radiological Work Permit (RWP) is required to enter and work in such areas. Depending on other activities being performed in the basin, work may require respiratory equipment (Hood).

Contractor Safety Pre-Qualification: The Contractor and lower tier Contractors will be required to meet the safety prequalification referenced by PRC-PRO-SH-40078, Contractor Safety Processes. Contractor and contractor craft will be required to attend enhance work planning sessions and hazard identification and control meetings as part of the work planning prior to starting work on any task.

The Contractor shall furnish all necessary labor, technical and professional services, supervision, materials, tools, equipment, consumables, and payment of any applicable taxes to perform all operations necessary and required to perform scope in accordance with the contract. The Contractor shall provide all deliverables by adhering to all federal, state and local regulations.

The solicitation will be under the North American Industry Classification System (NAICS) Code 541380, Testing Laboratories. The Size standard for determining whether an Offeror is a small business in regard to this acquisition is \$15M.

Potential Offerors who would like to receive an RFP are encouraged to respond by the required due date.

Summary of Scope – Leak Test the STSCs Shipping Cask

Contractor shall provide certified NDE personnel, facilities, resources, material and/or equipment to support NDE services to CHPRC. Leak testing shall be conducted by the Contractor in accordance with leak testing procedures produced by Contractor and approved by CHPRC. The Contractor shall prepare a leak test report and submit it to CHPRC for approval after each STSC Shipping Cask leak test performed. The task to be performed under this SOW are identified in the following seven tasks:

- Task 1 - Procedure Development for Cask Leak Test
- Task 2 – Field Demonstration of Cask Leak Test Procedure
- Task 3 – Perform “Prior-to-Shipping” Cask Leak Test
- Task 4 - Direct or perform Annual Cask Leak Testing (CY2016)
- Task 5 - Direct or perform Annual Cask Leak Testing (CY2017)
- Task 6 - Direct or perform Annual Cask Leak Testing (CY2018)
- Task 7 - Direct or perform Annual Cask Leak Testing (CY2019)

Quality Assurance and Control

The Contractor shall maintain a documented Quality Assurance Program and implementing procedures that meet the requirements of ASME NQA-1-2008 (with ASME NQA-1A 2009 addenda), "Quality Assurance Requirements for Nuclear Facility Applications," as specified in Table 6.1, below.

Qualification Criteria

1. Evidence that contractor has the technical and financial resources necessary to provide this support.
2. Contractor shall have a documented Quality Assurance Program and implementing procedures that meet the requirements of ASME NQA-1-2008 (with ASME NQA-1A 2009 Addenda) "Quality Assurance Requirements for Nuclear Facility Applications," as specified in Table 6.1 below.

Table 6.1 ASME NQA-1-2008 Part 1 Requirements

Section	Basic Requirement	Application
1.	Organization	All
2.	Quality Assurance Program	100, 200, 300, 301, 400, 500 [except Audits and Auditors]
5.	Instructions, Procedures and Drawings	All
6.	Document Control	All
9.	Control of Special Process	All
12.	Control of Measuring and Test Equipment	All
15.	Control of Nonconforming Items	All
16.	Corrective Action	All
17.	Quality Assurance Records	100, 200, 300, 400 [exclude 401]
18.	Audits	All

3. Qualified procedures and testing equipment in accordance with ASME Section V, Article 10, to conduct leak testing (LT) on vessels or casks using pressure decay test methods.
4. Staff Certification Program in accordance with the recommended guidelines of the American Society of Nondestructive Testing's (ASNT) SNT-TC-1A-2006.
5. An adequate staff of ASNT certified LT Level II and Level III personnel.
6. Due to the as-needed nature of leak test services which may require field support on short notice, the Contractor must have certified personnel operating in the local vicinity of the Hanford site or shall have demonstrated capability to supply non-local certified personnel to perform tasks with 72 hour notice.

Conclusion

There is no guarantee that an RFP will be issued for this work, nor a guarantee that a contract will be awarded should the RFP be issued.

The following questions must be answered and accompany any Expression of Interest that is submitted.

1. Do you have an ASME NQA-1 program (2008) for quality assurance requirements for nuclear facilities?
2. Do you have a written NDE program?
3. Does your NDE program meet the requirements of ASNT SNT-TC-1A?
4. Do you have level I, II and III qualified personnel?
5. Can you perform a qualified pressure decay NDE method?

Responses to this Expression of Interest must be submitted by the close of business July 6, 2016 and sent via Email to the Contract Specialist Dawn Moreland undersigned below.

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